

Community Air Monitoring Program
December 8, 2008 through December 14, 2008

Community air monitoring data is reviewed and compared to specific NYSDEC/NYSDOH approved criteria, known as “Action Limits”. As a result of this evaluation process, site conditions are categorized into two categories, “Operational Condition” and “Action Condition”. The “Operational Condition” is applicable when the data is below the “Action Limits” noted in the table below. The “Action Condition” occurs when one or more fifteen minute average measurement for either Dust, Total VOCs, Naphthalene or Odor Intensity exceed the background or upwind measurement by the “Action Limits” in the table below. During the period from December 8, 2008 through December 14, 2008 there were six Fixed Air Monitoring (FAM) locations measuring Total Volatile Organic Compounds (TVOC) and Particulate Matter (PM₁₀). **Fifteen-minute averages for TVOC, odor intensity, and PM₁₀ data remained in Operational Condition.**

On Friday, December 12 there was an elevated odor intensity observed in an offsite store adjacent to the fence line. The store suffered flooding after the heavy rain on December 11, 2008. The elevated odor intensity triggered naphthalene sampling however there was no naphthalene detected. Upon further review it was determined that the elevated odor intensity was the result of an overturned can of kerosene in the offsite store which caused an oily sheen on the water. The elevated odor intensity was not associated with site intrusive activities therefore the site remained in the operation condition (less than the action limit).

The elevated concentrations are shown on the following two tables.

Weekly Data Summary Report
National Grid – Sag Harbor Former MGP Site – Sag Harbor, NY
Reporting Period (Monday – Sunday): Start Date: 12/8/08 End Date: 12/14/08

Date	FAM 1		FAM 2		FAM 3		FAM 4		FAM 5		FAM 6		PAM 1		PAM 2		PAM 3		Odor	
	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	PM ₁₀	TVOC	Naphthalene	Intensity
	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(ppm)	(µg/m ³)	(0-8)
Maximum 15-minute Averages (Action Limits: PM ₁₀ = 150 µg/m ³ / TVOC = 5 ppm / Naphthalene = 440 µg/m ³ / Odor Intensity = 3)																				
Mon12/8/08	36.0	0.1	27.3	0.1	26.1	0.1	36.4	0.1	25.4	0.1	29.7	0.1	NA	NA	NA	NA	NA	NA	0.0	0
Tue 12/9/08	30.7	0.1	22.5	0.1	75.8	0.1	29.0	0.1	32.4	0.1	42.1	0.1	NA	NA	NA	NA	NA	NA	0.0	1
Wed 12/10/08	26.7	0.1	25.6	0.1	73.9	0.1	26.3	0.1	22.6	0.1	25.9	0.1	NA	NA	NA	NA	NA	NA	0.0	0
Thu 12/11/08	23.0	0.1	23.3	0.1	13.5	0.1	12.1	0.1	30.7	0.1	26.3	0.1	NA	NA	NA	NA	NA	NA	52.6	0
Fri 12/12/08	33.8	0.1	32.1	0.1	29.8	0.2	20.6	0.1	85.6	0.1	37.1	0.1	NA	NA	NA	NA	NA	NA	0.0	5 ¹
Sat 12/13/08	12.3	0.1	11.0	0.1	10.8	0.1	8.7	0.1	9.3	0.1	9.2	0.1	NA	NA	NA	NA	NA	NA	NA	NA
Sun 12/14/08	32.8	0.1	39.2	0.1	28.2	0.1	31.6	0.1	33.0	0.1	30.8	0.1	NA	NA	NA	NA	NA	NA	NA	NA

PM₁₀ = Respirable Particulate Matter (dust)

TVOC = Total Volatile Organic Compound

ppm = Parts per million (by volume)

¹ Highlighted values indicate dates and locations that require further comparison to the action limits based on wind direction, off site and on site activities (see Next Table).

µg/m³ Micrograms per cubic meter

All reported PM₁₀, TVOC, and odor intensity values represent 15-minute averages.

Odor Intensity is measured 0-8 on the n-butanol scale.

FAM # Fixed Air Monitoring Station

PAM # Portable Air Monitoring Station

ND No Data

NA Not Applicable

Weekly Elevated Concentration Summary Report
National Grid – Sag Harbor Former MGP Site – Sag Harbor, NY
Reporting Period (Monday – Sunday): Start Date: 12/8/08 End Date: 12/14/08

<i>Summary of Elevated Concentrations</i>															
Parameter	Date	Station	Start Time	End Time	Duration (Mins)	Action Limit	Approx. Start Dir* and speed	Approx. End Dir* and speed	Location of background conc.	Elevated Conc. Max	Background Conc. **	Max Conc. – Background Conc.**	Site Condition	Site Activity During the Period (if applicable)	Actions Taken
<i>Elevated Concentrations Above the Action Level</i>															
Odor Intensity	Fri 12/12/08	Store Adjacent to Fence line	11:25 AM	11:40 AM	NA	3	NA	NA	NA	5	NA	NA	Operational	An odor complaint was received from a store adjacent to the fence line. The odor was in conjunction with store flooding. ¹	The site Health and Safety officer, the CM and the AM technician responded to the odor complaint with odor and naphthalene sampling. An elevated odor intensity was observed with in the store however there was no detectable naphthalene present. The elevated odor intensity was caused by an over turned can of kerosene. Sheen was observed on the water within the store.

* Wind Directions are presented by octant (i.e. N, NE, E, SE, S, SW, W, NW)

** Background concentrations are equal to the upwind concentrations unless winds are determined to be variable.

FAM – Real time fixed air monitoring station

PAM – Real time portable air monitoring station

NA – Not applicable

ND – No data available

VAR – Variable winds

PM10 – Particulate matter (reported in µg/m³)

TVOC – Total volatile organic compound (reported in ppm)

Odor Intensity – Measured 0-8 on the n-butanol scale

¹ In accordance with DER-10 this type of event is not considered to be an exceedance because the elevated odor intensity was caused by off site activities.